10577561

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 3	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 4	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 5	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 6	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 7	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 8	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 9	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 10	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 11	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 12	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 13	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 14	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 15	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 16	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS 17	JUL 28	CA/CAplus patent coverage enhanced
NEWS 18	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 19	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 20	JUL 28	STN Viewer performance improved
NEWS 21	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 22	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 23	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 24	AUG 15	CAplus currency for Korean patents enhanced
NEWS 25	AUG 25	CA/CAplus, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS 26	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence

Updated Search

information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:59:43 ON 28 AUG 2008

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 10:59:49 ON 28 AUG 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 AUG 2008 HIGHEST RN 1043895-06-2
DICTIONARY FILE UPDATES: 26 AUG 2008 HIGHEST RN 1043895-06-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\bintae.str

L1 STRUCTURE UPLOADED

Updated Search

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SAMPLE SEARCH INITIATED 11:05:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    16413 TO ITERATE

 12.2% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:       320587 TO   335933
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 11:05:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   326259 TO ITERATE

100.0% PROCESSED   326259 ITERATIONS                               9 ANSWERS
SEARCH TIME: 00.00.03

L3            9 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              182.50     182.71

FILE 'HCAPLUS' ENTERED AT 11:05:44 ON 28 AUG 2008
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FILE COVERS 1907 - 28 Aug 2008  VOL 149 ISS 9
FILE LAST UPDATED: 27 Aug 2008  (20080827/ED)

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

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10577561

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 1 L3

=> d l4, ibib abs hitstr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:409480 HCAPLUS
DOCUMENT NUMBER: 142:463610
TITLE: Preparation of pyridines as inhibitors of dipeptidyl peptidase IV useful for the prophylaxis or treatment of diabetes
INVENTOR(S): Oi, Satoru; Maezaki, Hironobu; Suzuki, Nobuhiro
PATENT ASSIGNEE(S): Takeda Pharmaceutical Company Limited, Japan
SOURCE: PCT Int. Appl., 431 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

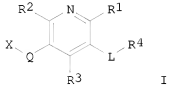
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042488	A1	20050512	WO 2004-JP16457	20041029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004285807	A1	20050512	AU 2004-285807	20041029
CA 2543529	A1	20050512	CA 2004-2543529	20041029
JP 2006016377	A	20060119	JP 2004-315517	20041029
EP 1678138	A1	20060712	EP 2004-793377	20041029
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1886376	A	20061227	CN 2004-80034965	20041029
BR 2004015960	A	20070116	BR 2004-15960	20041029
MX 2006PA03979	A	20060705	MX 2006-PA3979	20060407
US 20070037807	A1	20070215	US 2006-577561	20060428
IN 2006KN01220	A	20070427	IN 2006-KN1220	20060510
NO 2006002516	A	20060725	NO 2006-2516	20060531
KR 2008067013	A	20080717	KR 2008-715446	20080625

PRIORITY APPLN. INFO.:		
JP 2003-373776	A	20031031
JP 2004-30491	A	20040206
JP 2004-165977	A	20040603
WO 2004-JP16457	W	20041029
KR 2006-708423	A3	20060429

OTHER SOURCE(S): CASREACT 142:463610; MARPAT 142:463610

Updated Search

GI



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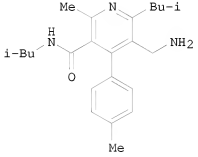


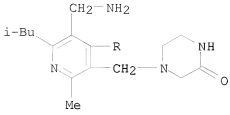
II

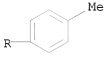
AB Title compds. I [wherein R1, R2 = independently (un)substituted hydrocarbyl, hydroxy; R3 = (un)substituted aryl; R4 = NH2 and derivs.; L = divalent hydrocarbon chain; Q = a bond or a divalent hydrocarbon chain; X = H, CN, NO2, acyl, OH and derivs., SH and derivs., NH2 and derivs., (un)substituted cyclyl; provided that when X = -C(:O)OEt, then Q = divalent hydrocarbon chain and that certain compds. are absent; and their salts, prodrugs] were prepared as dipeptidyl peptidase IV inhibitors. For example, Boc-protection of Me 5-(aminomethyl)-6-isobutyl-2-methyl-4-(4-methylphenyl)nicotinate (preparation given), saponification, coupling of the acid with isobutylamine/deprotection gave II•2TFA. I show a superior dipeptidyl peptidase IV inhibitory activity, and are useful as agents for the prophylaxis or treatment of diabetes and related diseases.

IT 851579-86-7P, 4-[[5-(Aminomethyl)-6-isobutyl-2-methyl-4-(4-methylphenyl)pyridin-3-yl]methyl]-2-piperazinone trihydrochloride
851579-88-9P, 3-[[5-(Aminomethyl)-6-isobutyl-2-methyl-4-(4-methylphenyl)pyridin-3-yl]methyl]-2,4-imidazolidinedione dihydrochloride
851579-90-3P, 1-[[5-(Aminomethyl)-6-isobutyl-2-methyl-4-(4-methylphenyl)pyridin-3-yl]methyl]-2,5-piperazinedione dihydrochloride
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of pyridines as inhibitors of dipeptidyl peptidase IV useful for prophylaxis or treatment of diabetes)

RN 851579-86-7 HCAPLUS

CN 2-Piperazinone, 4-[[5-(aminomethyl)-2-methyl-4-(4-methylphenyl)-6-(2-methylpropyl)-3-pyridinyl]methyl]-, hydrochloride (1:3) (CA INDEX NAME)





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RN 851579-88-9 HCAPLUS
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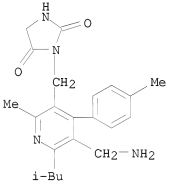

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RN 851579-90-3 HCAPLUS
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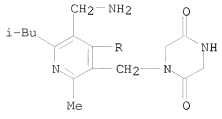
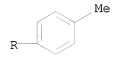


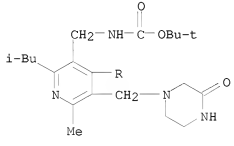


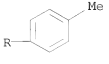
●2 HCl

IT 851579-87-8P, tert-Butyl [[2-isobutyl-6-methyl-4-(4-methylphenyl)-5-[(3-oxo-1-piperazinyl)methyl]pyridin-3-yl]methyl]carbamate
851579-89-0P, tert-Butyl [[5-[(2,5-dioxo-1-imidazolidinyl)methyl]-2-isobutyl-6-methyl-4-(4-methylphenyl)pyridin-3-yl]methyl]carbamate
851579-91-4P, tert-Butyl [[5-[(2,5-dioxo-1-piperazinyl)methyl]-2-isobutyl-6-methyl-4-(4-methylphenyl)pyridin-3-yl]methyl]carbamate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of pyridines as inhibitors of dipeptidyl peptidase IV useful for prophylaxis or treatment of diabetes)

RN 851579-87-8 HCAPLUS

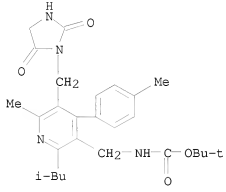
CN Carbamic acid, [[6-methyl-4-(4-methylphenyl)-2-(2-methylpropyl)-5-[(3-oxo-1-piperazinyl)methyl]-3-pyridinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



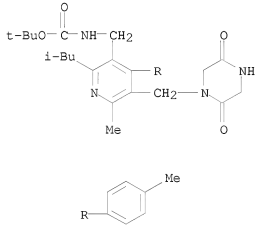


RN 851579-89-0 HCAPLUS

CN Carbamic acid, [[5-[(2,5-dioxo-1-imidazolidinyl)methyl]-6-methyl-4-(4-methylphenyl)-2-(2-methylpropyl)-3-pyridinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 851579-91-4 HCAPLUS
CN Carbamic acid, [[5-[(2,5-dioxo-1-piperazinyl)methyl]-6-methyl-4-(4-methylphenyl)-2-(2-methylpropyl)-3-pyridinyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.14	190.85
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

Updated Search

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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file supports REGlstRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> d his

     (FILE 'HOME' ENTERED AT 10:59:43 ON 28 AUG 2008)

     FILE 'REGISTRY' ENTERED AT 10:59:49 ON 28 AUG 2008
L1              STRUCTURE UPLOADED
L2            0 S L1
L3            9 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 11:05:44 ON 28 AUG 2008
L4            1 S L3

     FILE 'CAOLD' ENTERED AT 11:06:26 ON 28 AUG 2008

=> s l3
L5            0 L3

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               0.46     191.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                               0.00      -0.80

FILE 'REGISTRY' ENTERED AT 11:06:32 ON 28 AUG 2008
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provided by InfoChem.
```

10577561

STRUCTURE FILE UPDATES: 26 AUG 2008 HIGHEST RN 1043895-06-2
DICTIONARY FILE UPDATES: 26 AUG 2008 HIGHEST RN 1043895-06-2

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\bintag.str

L6 STRUCTURE UPLOADED

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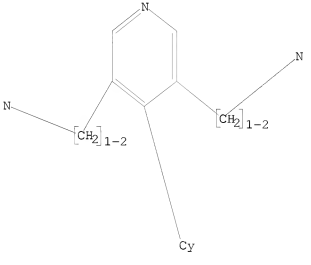
L6 HAS NO ANSWERS
L6 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l6
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SAMPLE SCREEN SEARCH COMPLETED - 16413 TO ITERATE

12.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

Updated Search

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SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
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PROJECTED ANSWERS:               0 TO        0

L7            0 SEA SSS SAM L6

=> s l6 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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FULL SCREEN SEARCH COMPLETED -   326259 TO ITERATE

100.0% PROCESSED   326259 ITERATIONS                              9 ANSWERS
SEARCH TIME: 00.00.02

L8            9 SEA SSS FUL L6

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\bintah.str

L9      STRUCTURE UPLOADED

=> s l9
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INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

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PROJECTED ITERATIONS:      3529569 TO  3579231
PROJECTED ANSWERS:            1212 TO     2342

L10           1 SEA SSS SAM L9

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Uploading C:\Documents and Settings\brobinson1\My Documents\bintanm.str

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 14.6% PROCESSED     2000 ITERATIONS                              1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

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                        BATCH   **COMPLETE**
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10577561

PROJECTED ANSWERS: 1 TO 294

L12 1 SEA SSS SAM L11

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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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FULL SCREEN SEARCH COMPLETED - 277843 TO ITERATE

100.0% PROCESSED 277843 ITERATIONS 19 ANSWERS
SEARCH TIME: 00.00.04

L13 19 SEA SSS FUL L11

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	362.24	553.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

FILE 'HCAPLUS' ENTERED AT 11:14:50 ON 28 AUG 2008
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FILE COVERS 1907 - 28 Aug 2008 VOL 149 ISS 9
FILE LAST UPDATED: 27 Aug 2008 (20080827/ED)

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l13
L14 7 L13

=> d his

Updated Search

```
     (FILE 'HOME' ENTERED AT 10:59:43 ON 28 AUG 2008)

     FILE 'REGISTRY' ENTERED AT 10:59:49 ON 28 AUG 2008
L1                STRUCTURE UPLOADED
L2            0 S L1
L3            9 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 11:05:44 ON 28 AUG 2008
L4            1 S L3

     FILE 'CAOLD' ENTERED AT 11:06:26 ON 28 AUG 2008
L5            0 S L3

     FILE 'REGISTRY' ENTERED AT 11:06:32 ON 28 AUG 2008
L6                STRUCTURE UPLOADED
L7            0 S L6
L8            9 S L6 FULL
L9                STRUCTURE UPLOADED
L10           1 S L9
L11               STRUCTURE UPLOADED
L12           1 S L11
L13          19 S L11 FULL

     FILE 'HCAPLUS' ENTERED AT 11:14:50 ON 28 AUG 2008
L14           7 S L13

=> s l14 not l4
L15           6 L14 NOT L4

=> s l15 and oi, s?/au
           370 OI, S?/AU
L16           0 L15 AND OI, S?/AU

=> s l15 and maezaki, h?/au
            12 MAEZAKI, H?/AU
L17           0 L15 AND MAEZAKI, H?/AU

=> s l15 and suzuki, n?/au
          8821 SUZUKI, N?/AU
L18           0 L15 AND SUZUKI, N?/AU

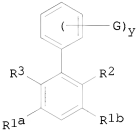
=> d l15, ibib abs hitstr, 1-6

L15  ANSWER 1 OF 6  HCAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2001:278024  HCAPLUS
DOCUMENT NUMBER:          134:311111
TITLE:                    Preparation of substituted biphenyls as glucagon
                          receptor antagonists
INVENTOR(S):              Schoen, William R.; Ladouceur, Gaetan H.; Cook, James
                          H., II; Lease, Timothy G.; Wolanin, Donald J.; Kramss,
                          Richard H.; Hertzog, Donald L.; Osterhout, Martin H.
PATENT ASSIGNEE(S):       Bayer Corporation, USA; Bayer A.-G.
SOURCE:                   U.S., 156 pp.
                          CODEN: USXXAM
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
```

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6218431	B1	20010417	US 1997-904119	19970731

PRIORITY APPLN. INFO.: US 1997-904119 19970731
OTHER SOURCE(S): MARPAT 134:311111
GI



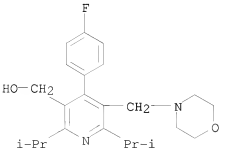
I

AB Substituted biphenyls I [R1a, R1b = alkyl; R2 = alkyl with substituents from 1 to 3 of SR7; R7 = Ph, or substituted Ph wherein the substituents are independently 1-5 of halogen, trifluoromethyl, alkyl, alkoxy, nitro, cyano, hydroxyl; R3 = alkyl with substituents of 1-2 hydroxyl groups; G represents a substituent selected from the group consisting of halogen, alkyl, OR4 with R4 = H, alkyl; y = 0-3], glucagon receptor antagonists. E.g., reduction of 2-cyclopentyl-6-ethyl-4-(4-fluorophenyl)-3-(3-trifluoromethylbenzyloxymethyl)pyridine-5-carboxylic acid Et ester with LiAlH4 gave 76.5% 2-cyclopentyl-6-ethyl-4-(4-fluorophenyl)-5-hydroxymethyl-3-(3-trifluoromethylbenzyloxymethyl)pyridine.

IT 124894-12-8P 202853-91-6P 202853-92-7P
202853-93-8P 202853-95-0P 202853-96-1P
202853-97-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted biphenyls as glucagon receptor antagonists)

RN 124894-12-8 HCAPLUS

CN 3-Pyridinemethanol, 4-(4-fluorophenyl)-2,6-bis(1-methylethyl)-5-(4-morpholinylmethyl)- (CA INDEX NAME)



RN 202853-91-6 HCAPLUS
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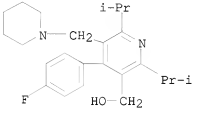

RN 202853-92-7 HCAPLUS
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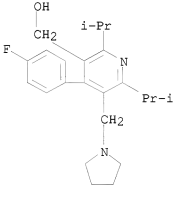
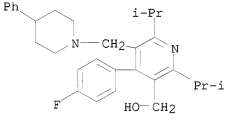


RN 202853-93-8 HCAPLUS
CN 3-Pyridinemethanol, 4-(4-fluorophenyl)-2,6-bis(1-methylethyl)-5-[(4-phenyl-1-piperidinyl)methyl]- (CA INDEX NAME)



RN 202853-95-0 HCAPLUS
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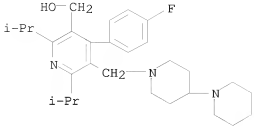

RN 202853-96-1 HCAPLUS
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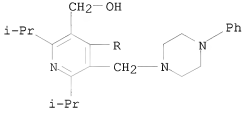

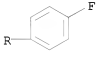

RN 202853-97-2 HCAPLUS
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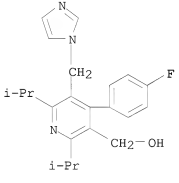

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:529133 HCAPLUS

DOCUMENT NUMBER: 131:157711
TITLE: Preparation of pyridinecarboxylates and analogs as cholesteryl ester transfer protein inhibitors
INVENTOR(S): Lee, Len F.; Glenn, Kevin C.; Connolly, Daniel T.; Corley, David G.; Flynn, Daniel L.; Hamme, Ashton; Hegde, Shridhar G.; Melton, Michele A.; Schilling, Roger J.; Sikorski, James A.; Wall, Nancy N.; Zablocki, Jeffrey A.
PATENT ASSIGNEE(S): G.D. Searle and Co., USA
SOURCE: PCT Int. Appl., 327 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941237	A1	19990819	WO 1999-US1871	19990211
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9932854	A	19990830	AU 1999-32854	19990211
US 6605624	B1	20030812	US 2000-600870	20001211
US 20040038939	A1	20040226	US 2003-403903	20030331
US 6794396	B2	20040921		
US 20040220231	A1	20041104	US 2004-852975	20040525

PRIORITY APPLN. INFO.:

US 1998-74586P	P	19980213
WO 1999-US1871	W	19990211
US 2000-600870	A3	20001211
US 2003-403903	A3	20030331

OTHER SOURCE(S): MARPAT 131:157711
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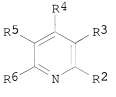


I

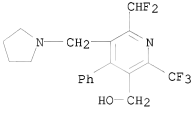
AB Title compds. [I; R2,R6 = H, OH, (fluoro)alkyl, alkoxy, etc.; R3 = OH, CHO, alkoxycarbonyl, (hetero)arylcarbonyl, etc.; R5 = H, halo, alkyl, alkoxy, etc.; R5 = H, halo, alkyl, alkoxy(carbonyl), etc.] were prepared Thus, CF3C(NH2):C(CO2Me)COMe was refluxed with Ac2O/HC(OMe)3 and the

product converted in 2 steps to I (R2 = CF3, R3 = CO2Me, R4 = OCHMe2, R5 = R6 = H). Data for biol. activity of I were given.

IT 237759-85-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridinecarboxylates and analogs as cholesteryl ester transfer protein inhibitors)

RN 237759-85-2 HCAPLUS

CN 3-Pyridinemethanol, 6-(difluoromethyl)-4-phenyl-5-(1-pyrrolidinylmethyl)-2-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:105938 HCAPLUS
DOCUMENT NUMBER: 128:167354
ORIGINAL REFERENCE NO.: 128:32985a
TITLE: Preparation of substituted pyridines and biphenyls as anti-hypercholesteremic, anti-hyperlipoproteinemic and anti-hyperglycemic agents
INVENTOR(S): Schmidt, Gunter; Angerbauer, Rolf; Brandes, Arndt; Muller-Gliemann, Matthias; Bischoff, Hilmar; Schmidt, Delf; Wohlfeil, Stefan; Schoen, William R.; Ladouceur, Gaetan H.; Cook, James H., II; Lease, Timothy G.; Wolanin, Donald J.; Kramss, Richard H.; Hertzog, Donald L.; Osterhout, Martin H.
PATENT ASSIGNEE(S): Bayer Corporation, USA; Bayer Aktiengesellschaft
SOURCE: PCT Int. Appl., 431 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9804528	A2	19980205	WO 1997-US13248	19970729
WO 9804528	A3	19991111		

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	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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AU	9738971	A	19980220	AU 1997-38971	19970729
ZA	9706730	A	19990729	ZA 1997-6730	19970729
EP	934274	A1	19990811	EP 1997-936259	19970729
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN	1239474	A	19991222	CN 1997-198258	19970729
TR	9902325	T2	20000221	TR 1999-2325	19970729
TR	9902326	T2	20000522	TR 1999-2326	19970729
NZ	333951	A	20000929	NZ 1997-333951	19970729
BR	9710637	A	20001031	BR 1997-10637	19970729
HU	2001000324	A2	20010528	HU 2001-324	19970729
HU	2001000324	A3	20010628		
JP	2001512416	T	20010821	JP 1998-509068	19970729
RU	2195443	C2	20021227	RU 1999-104527	19970729
TW	520360	B	20030211	TW 1997-86110851	19970729
NO	9900399	A	19990329	NO 1999-399	19990128
NO	314143	B1	20030203		
KR	2000029723	A	20000525	KR 1999-700826	19990130
IN	1999DE01499	A	20050701	IN 1999-DE1499	19991119
PRIORITY APPLN. INFO.:				US 1996-690111 A	19960731
				IN 1997-DE2099 A3	19970729
				WO 1997-US13248 W	19970729

OTHER SOURCE(S): MARPAT 128:167354

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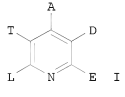

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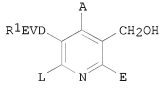

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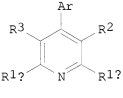
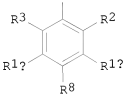


III



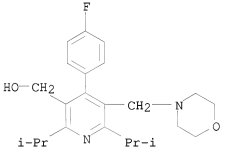
IV

AB The title compds. [I (A = (un)substituted C6-10 aryl; D = up to 8 carbon atoms alkyl which is substituted by hydroxy; E, L = (un)substituted up to 8 carbon atoms alkyl; L = (un)substituted C6-10 aryl; T = R7X, R8C(R9)(R10); R7, R8 = cycloalkyl, aryl, etc.; R9, R10 = H, halo, N3, etc.), II (R1 = cycloalkyl, aryl, etc.; E, D = alkyl (up to 8 carbon atoms); E = a bond; V = O, S, NH, etc.), III (R1a, R1b = CF3, C1-10 alkyl,

C1-10 alkenyl, etc.; R2 = C1-10 alkyl, C1-10 alkenyl, etc.; R3 = OH, CF3, C1-6 alkanoyl, etc.; Ar = (un)substituted heteroaryl, aryl), IV], useful for the inhibition of cholesterol ester transfer proteins (CETP) (I), for the treatment of hyperlipoproteinemia (II), and for inhibition of the glucagon receptor, leading to treatment of glucagon-mediated conditions such as diabetes (III-IV), were prepared Thus, reduction of Et 2,6-diisopropyl-4-(4-fluorophenyl)-3-[(4-fluorophenyl)-chloromethyl]pyridine-5-carboxylate (preparation described) with LiAlH4 in THF afforded 69% I [A = 4-FC6H4; D = CH2OH; E = L = iPr; T = 4-FC6H4CH2]. For example, compound I [A = 4-FC6H4; D = CH2OH; E = L = iPr; T = 4-FC6H4CH(NH2)] showed IC50 of 0.6 μM against CETP.

IT 124894-12-8P 202853-91-6P 202853-92-7P
202853-93-8P 202853-95-0P 202853-96-1P
202853-97-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted pyridines and biphenyls as anti-hypercholesteremic, anti-hyperlipoproteinemic and anti-hyperglycemic agents)

RN 124894-12-8 HCAPLUS
CN 3-Pyridinemethanol, 4-(4-fluorophenyl)-2,6-bis(1-methylethyl)-5-(4-morpholinylmethyl)- (CA INDEX NAME)



RN 202853-91-6 HCAPLUS
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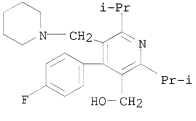

RN 202853-92-7 HCAPLUS
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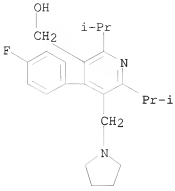

RN 202853-93-8 HCAPLUS
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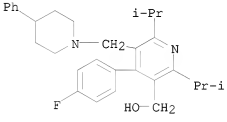

RN 202853-95-0 HCAPLUS
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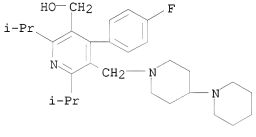

RN 202853-96-1 HCAPLUS
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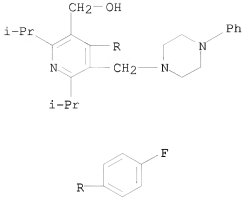

RN 202853-97-2 HCAPLUS
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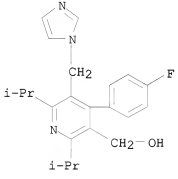


L15 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:9205 HCAPLUS
DOCUMENT NUMBER: 126:47112
ORIGINAL REFERENCE NO.: 126:9285a,9288a
TITLE: 2-Ureidobenzamide derivatives useful as acyl-CoA:cholesterol acyltransferase inhibitors
INVENTOR(S): Binet, Jean; Guffroy, Christian; Kasai, Hirotaka; Wagatsuma, Nagatoshi
PATENT ASSIGNEE(S): Grelan Pharmaceutical Co., Ltd., Japan; Laboratoires Fournier SA
SOURCE: Eur. Pat. Appl., 32 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

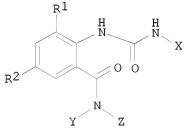
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 742208	A1	19961113	EP 1995-401049	19950505

R: FR

CA 2194481	A1	19961107	CA 1996-2194481		19960427
WO 9634856	A1	19961107	WO 1996-EP1836		19960427
W: AU, CA, HU, JP, KR, NO, US					
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
AU 9657635	A	19961121	AU 1996-57635		19960427
EP 769007	A1	19970423	EP 1996-914173		19960427
R: BE, CH, DE, DK, ES, FI, FR, GB, IE, IT, LI, NL, SE					
HU 9700005	A2	19980528	HU 1997-5		19960427
HU 9700005	A3	19980728			
JP 10506922	T	19980707	JP 1996-533007		19960427
JP 10120644	A	19980512	JP 1996-295968		19961018
JP 3930081	B2	20070613			
NO 9605459	A	19961218	NO 1996-5459		19961218
US 5872115	A	19990216	US 1996-765314		19961230
PRIORITY APPLN. INFO.:			EP 1995-401049	A	19950505
			WO 1996-EP1836	W	19960427

OTHER SOURCE(S): MARPAT 126:47112

GI



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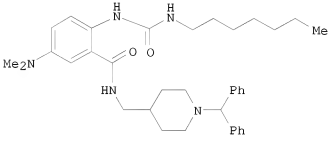


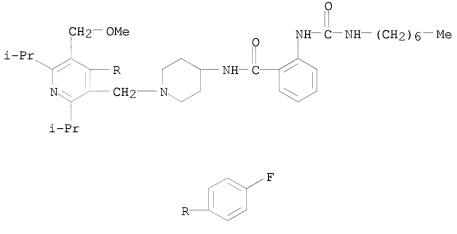
II

AB The invention relates to 2-ureidobenzamide compds. I [R1 = H, halo, alkyl, alkoxy, dialkylamino; R2 = H, halo, OH, nitro, alkyl, alkoxy, or (CH2)0-2NR3R4; R3, R4 = H, alkyl, alkylsulfonyl, alkylcarbamoyl; or NR3R4 form pyrrolidine, piperidine, morpholine, imidazole, or pyrazole ring; X = alkyl or (CH2)1-4NR5R6; R5, R6 = H, alkyl, alkoxycarbonyl; Y = H, alkyl; Z = N-substituted pyrrolidinyl or piperidinyl radicals with an optional alkylene or (cyclo)alkylidene linker; or NYZ = imidazolidino or (homo)piperazino bearing a Ph, CHPh2, or (un)substituted dibenzocycloheptenyl group on the second N atom] and their pharmaceutically acceptable acid addn salts. The compds. are

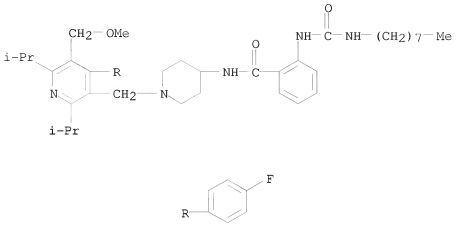
acyl-CoA:cholesterol acyltransferase (ACAT) inhibitors, useful for the prevention and treatment of disorders and diseases such as atherosclerosis. Examples include 61 syntheses and 2 standard formulations. For instance, amidation of 5-(dimethylamino)-2-nitrobenzoic acid with 4-(aminomethyl)-1-(diphenylmethyl)piperidine (47%), hydrogenation of the nitro group (100%), N-acylation of the resultant amino group with ClCO2Ph, and aminolysis of the carbamate with n-heptylamine (62%), gave title compound II. The IC50 of II for ACAT inhibition from 2 in vitro bioassays (microsome and intact cell) was 0.6 and 0.007 μM, resp., and the activity in a mouse peritoneal macrophage assay was higher than the known compds. E5324 and CI976.

IT 184780-23-2P 184780-24-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of ureidobenzamide derivs. as ACAT inhibitors)

RN 184780-23-2 HCAPLUS
CN Benzamide, N-[1-[[4-(4-fluorophenyl)-5-(methoxymethyl)-2,6-bis(1-methylethyl)-3-pyridinyl]methyl]-4-piperidinyl]-2-[[(heptylamino)carbonyl]amino]- (CA INDEX NAME)



RN 184780-24-3 HCAPLUS
CN Benzamide, N-[1-[[4-(4-fluorophenyl)-5-(methoxymethyl)-2,6-bis(1-methylethyl)-3-pyridinyl]methyl]-4-piperidinyl]-2-[[(octylamino)carbonyl]amino]- (CA INDEX NAME)

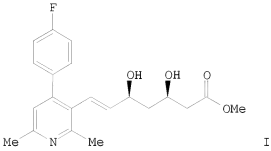


L15 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:428008 HCAPLUS
DOCUMENT NUMBER: 119:28008
ORIGINAL REFERENCE NO.: 119:5188h,5189a
TITLE: 7-(polysubstituted pyridyl)-6-heptenoates useful for treating hyperproteinaemia, lipoproteinaemia or arteriosclerosis
INVENTOR(S): Angerbauer, Rolf; Fey, Peter; Huebsch, Walter; Philipps, Thomas; Bischoff, Hilmar; Petzinna, Dieter; Schmidt, Delf; Thomas, Guenter
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: U.S., 63 pp. Cont.-in-part of U.S. 5,006,530.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5169857	A	19921208	US 1990-627086	19901213
DE 3801406	A1	19890727	DE 1988-3801406	19880120
DD 283400	A5	19901010	DD 1989-325090	19890117
US 5006530	A	19910409	US 1989-298549	19890117
ZA 8900429	A	19900228	ZA 1989-429	19890119
HU 52053	A2	19900628	HU 1989-5141	19890119
US 5401746	A	19950328	US 1992-916928	19920720

PRIORITY APPLN. INFO.:
DE 1988-3801406 A 19880120
IT 1988-21317 A 19880711
US 1989-298549 A2 19890117
US 1990-627086 A3 19901213

OTHER SOURCE(S): CASREACT 119:28008; MARPAT 119:28008
GI



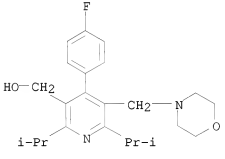
I

AB Substituted pyridine derivs., (E)-3,5-dihydroxy-7-(4-phenyl-3-pyridyl)-6-heptenoates, are claimed. The use of these compds. for the treatment of hyperlipoproteinemia, lipoproteinemia, or arteriosclerosis is claimed. Also claimed is Me (E)-erythro-7-[2-(4-fluorophenyl)-4-isopropyl-5-(methoxymethyl)-6-methyl-3-pyridyl]-3,5-dihydroxy-6-heptenoate (I). I was prepared from Et 2-(4-fluorophenyl)-5-(methoxymethyl)-6-methyl-3-pyridinecarboxylate. The compds. thus prepared are inhibitors of cholesterol synthesis (no data).

IT 124894-12-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for dihydroxy(phenylpyridyl)heptenoate (anticholesteremic and antiarteriosclerotic))

RN 124894-12-8 HCAPLUS

CN 3-Pyridinemethanol, 4-(4-fluorophenyl)-2,6-bis(1-methylethyl)-5-(4-morpholinylmethyl)- (CA INDEX NAME)



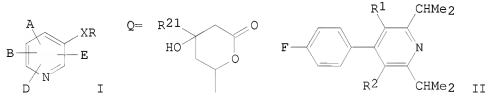
L15 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	1990:55616 HCAPLUS
DOCUMENT NUMBER:	112:55616
ORIGINAL REFERENCE NO.:	112:9547a,9550a
TITLE:	Preparation of 7-(4-aryl-3-pyridyl)-3,5-dihydroxy-6-heptenoates and analogs as hypocholesteremics
INVENTOR(S):	Angerbauer, Rolf; Fey, Peter; Huebsch, Walter; Philipps, Thomas; Bischoff, Hilmar; Petzinna, Dieter; Schmidt, Delf; Thomas, Guenter
PATENT ASSIGNEE(S):	Bayer A.-G., Fed. Rep. Ger.
SOURCE:	Eur. Pat. Appl., 132 pp. CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 325130	A2	19890726	EP 1989-100250	19890109
EP 325130	A3	19901205		
EP 325130	B1	20031105		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
DE 3801406	A1	19890727	DE 1988-3801406	19880120
NO 8900047	A	19890721	NO 1989-47	19890105
NO 177005	B	19950327		
NO 177005	C	19950705		
EP 1123924	A1	20010816	EP 2001-109309	19890109
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
EP 1123925	A1	20010816	EP 2001-109310	19890109
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
AT 253560	T	20031115	AT 1989-100250	19890109
ES 2210221	T3	20040701	ES 1989-100250	19890109
CN 1034364	A	19890802	CN 1989-100326	19890117
CN 1055684	C	20000823		
DD 283400	A5	19901010	DD 1989-325090	19890117
FI 8900258	A	19890721	FI 1989-258	19890118
FI 93007	B	19941031		
FI 93007	C	19950210		
CA 1340798	C	19991026	CA 1989-588502	19890118
AU 8928617	A	19890720	AU 1989-28617	19890119
AU 642127	B2	19931014		
DK 8900233	A	19890721	DK 1989-233	19890119
JP 01216974	A	19890830	JP 1989-8770	19890119
JP 2558344	B2	19961127		
ZA 8900429	A	19900228	ZA 1989-429	19890119
HU 50776	A2	19900328	HU 1989-214	19890119
HU 210727	B	19950728		
HU 52053	A2	19900628	HU 1989-5141	19890119
KR 132432	B1	19980417	KR 1989-550	19890119
CN 1274719	A	20001129	CN 2000-102357	20000217
PRIORITY APPLN. INFO.:			DE 1988-3801406 A	19880120
			IT 1988-21317 A	19880711
			EP 1989-100250 A3	19890109

GI



AB The title compds. [I; A = (un)substituted aryl, heteroaryl; B =

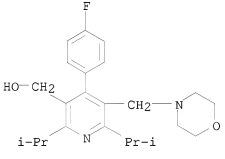
Updated Search

cycloalkyl, (un)substituted alkyl; D,E = H, cyano, NO2, cycloalkyl, (un)substituted alkyl, heteroaryl, aryl, etc.; DE = COZ(CH2)m, WZCR13R14(CH2)m; R = CH(OH)CH2CR21(OH)CH2CO2R22, Q; R13, R14 = (un)substituted aryl, aralkyl, heteroaryl; R21 = H, alkyl; R22 = H, alkyl, aryl, aralkyl, cation; W = CO, CHOH; X = CH2CH2, CH:CH; Z = O, S, CH2, (un)substituted imino; m = 1-3] were prepared Thus, 4-FC6H4CH:C(COCHMe2)CO2Et (preparation given) was refluxed 18 h with Me2CHC(NH2):CHCO2Et in EtOH and the product stirred 1 h with DDQ (oxidizing agent) in CH2Cl2 to give phenylpyridinedicarboxylate II (R1 = R2 = CO2Et) which was converted in 4 steps to II (R1 = PhCH2OCH2, R2 = CHO). The latter was refluxed in THF with di-Et [2-(cyclohexylamino)vinyl]phosphonate which had been treated with NaH and the product refluxed with (CO2H)2 in PhMe to give II [R2 = (E)-CH:CHCHO] which was condensed with MeCOCH2CO2Me which had been treated with 2 equivalent amts. NaH to give, after reduction, title compound II [R1 = PhCH2OCH2, R2 = erythro-(E)-CH:CHCH:OH)CH2CH(OH)CH2CO2Me] which gave 66% reduction of serum cholesterol in dogs receiving 8 mg/kg orally daily.

IT 124894-12-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of hypocholesteremics)

RN 124894-12-8 HCAPLUS

CN 3-Pyridinemethanol, 4-(4-fluorophenyl)-2,6-bis(1-methylethyl)-5-(4-morpholinylmethyl)- (CA INDEX NAME)



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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.80	-5.60

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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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L5 0 S L3

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L17 0 S L15 AND MAEZAKI, H?/AU
L18 0 S L15 AND SUZUKI, N?/AU

FILE 'CAOLD' ENTERED AT 11:17:09 ON 28 AUG 2008

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Updated Search